#### NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.

Disperson to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

<ol> <li>DRAWINGS, 37 CFR 1.84(a): Acceptable categories of drawings:</li> </ol>	8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(i)
Black ink. Color.	Words do not appear on a horizontal, left-to-right fashion
Color drawings are not acceptable until petiton is granted.	when page is either upright or turned so that the top
Fig(s)	becomes the right side, except for graphs. Fig(s)
Pencil and non black ink not permitted. Fig(s)	9. SCALE, 37 CFR 1.84(k)
2. PHOTOGRAPHS: 37 CFR 1.84(b)	Scale not large enough to show mechanism without
1 full-tone set is required. Fig(s)	crowding when drawing is reduced in size to two-thirds in
Photographs may not be mounted. 37 CFR   LS4(e)	reproduction.
Poor quality (half-tone). Fig(s)	Fig(s)
3. TYPE OF PAPER. 37 CFR 4.84(c)	<ol><li>CHARACTER OF LINES, NUMBERS, &amp; LETTERS.</li></ol>
Paper not flexible, strong, white, and durable.	37 CJ:R 1.84(i)
Fig(s)	Lines, numbers & letters not uniformly thick and well
Erasures, alterations, overwritings, interlineations,	defined, clean durable, and black (poor line quality).
folds, copy machine marks not accepted. Fig(s)	Fig(s)
Mylar, yelum paper is not acceptable (too thin).	11. SHADING, 37 CFR 1.84(m)
Fig(s)	Solid black areas pale. Fig(s)
1. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	Solid black shading not permitted. Fig(s)
21.0 cm by 29.7 cm (DIN size A4)	Shade lines, pale, rough and blurred. Fig(s)
21.6 cm by 27.9 cm (8.1.2 x 11 inches)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
All drawing sheets not the same size.	37 CFR 1.84(p)
Sheet(s)	Numbers and reference characters not plain and legible.
Drawings sheets not an acceptable size. Fig(s)	Fig(s)
5. MARGINS, 37 CFR 1.84(g): Acceptable margins:	Figure legends are poor. Fig(s)
	Numbers and reference characters not oriented in the
Top 2.5 cm. Left 2.5cm. Right 1.5 cm. Bottom 1.0 cm.	same direction as the view, 37 CFR 4.84(p)(1)
SIZE: A4 Size	Fig(s)
Top 2.5 cm. Left 2.5 cm. Right 1.5 cm. Bottom 4.0 cm.	English alphabet not used. 37 CFR 1.84(p)(2)
SIZE: 8 1/2 \ 11 =	Figs
Margins not acceptable. Figts 124-20, 5D, 7A	Numbers, letters and reference characters must be at least
$\mathcal{L}_{\text{Left}(L)}$	.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Right (R) Bottom (B)	Fig(s)
6. VIEWS, 37 CFR 1.84(ii)	13. LEAD LINES: 37 CFR L84(q)
REMINDER: Specification may require revision to	Lead lines cross each other. Fig(s)
correspond to drawing changes.	Lead lines missing. Fig(s)
Partial views. 37 CFR 1.84(h)(2)	14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.84(t)
Brackets needed to show figure as one entity.	Sheets not numbered consecutively, and in Arabic numerals
Fig(s)	beginning with number 1. Sheet(s)
Views not labeled separately or properly.	15. NUMBERING OF VIEWS, 37 CFR 1.84(u)
Fig(s)	Views not numbered consecutively, and in Arabic numerals.
Enlarged view not labeled separetely or properly.	beginning with number 1. Fig(s)
Fig(s)	16. CORRECTIONS, 37 CFR 1.84(w)
	Corrections not made from prior PTO-948
7. SECTIONAL VIEWS. 37 CFR 1.84 (b)(3)	dated
Hatching not indicated for sectional portions of an object.	17. DESIGN DRAWINGS, 37 CFR 1.152
Fig(s)	Surface shading shown not appropriate. Fig(s)
Sectional designation should be noted with Arabic or	Solid black shading not used for color contrast.
Roman numbers. Fig(s)	Fig(s)
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COMMENTS	

REVIEWER	Q.D	DATE	117103 telephone no	
ATTACHMENT TO	O PAPER NO.	····		

# REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

# INFORMATION ON HOW TO EFFECT DRAWING CHANGES

## 1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Reveiw Branch.

### 2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in ABANDONMENT of the Application.

# 3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.